

AIRCRAFT GROUND POWER UNIT



DESCRIPTION

GPU-400 and GPU-600 Solid State ground power units provide precisely regulated 28.5 volt DC service with minimum noise. These reliable solid state GPUs are equipped for engine starting in the current limiting "soft start" mode recommended by most airframe manufacturers. Specifically developed in response to customer needs, the GPU-400 and GPU-600 supply the fully regulated, dependable power required by today's more demanding aircraft.

The GPU-400 delivers 400 amperes continuous to 1600 amperes peak for starting, and is available with a 14.25 volt DC option. The GPU-600 delivers 600 amperes continuous to 2000 amperes peak for starting.

STANDARD FEATURES

- Output DC voltage independent of $\pm 10\%$ input voltage variations
- Output current limit setting is adjustable over the range of 150 to 1600 amperes for GPU-400; 300 to 2000 amperes for GPU-600
- Output terminals safely located inside case
- Separate input and output contactors with status indication lights
- Protective recessed control panel
- Convenience receptacle for lights, electric drill, or test instruments
- T-handle 3-wheel mounting with activated parking brake provides easy maneuverability and stable parking
- Laminated control panel overlay for long life of lettering
- 20 foot DC cable



OPTIONS

- 14.25 volt kit (GPU-400 only)
- Cable Tray Kit
- Bridge Mounting Kit (GPU-600 only)

Form No.: 092310A

GPU-400 and GPU-600 Solid State 28.5 Volt DC Ground Power Units

Specifications

Performance

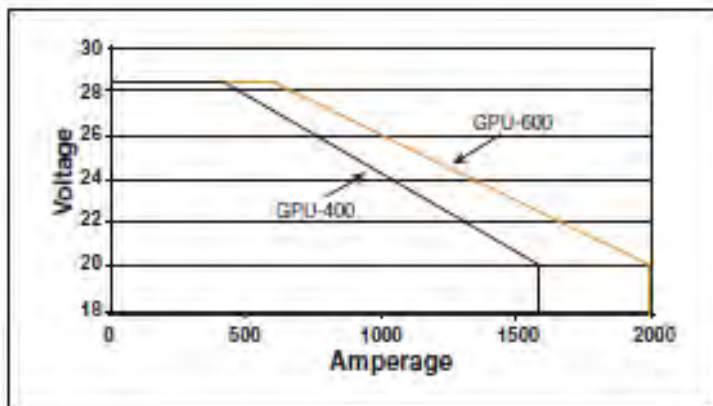
	GPU-400 Models			GPU-600 Models		
	5T28400CL	6T28400CL	6T28400CL	5T28600CL	6T28600CL	6T28600CL
• Supply voltage, 3 phase, reconnectable	220/380	208/230/460	230/460/575	220/380	208/230/460	230/460/575
• Full load input current	56/32	56/52/26	52/26/22	82/47	89/76/37	76/37/32
• Frequency	50 Hz	60 Hz	60 Hz	50 Hz	60 Hz	60 Hz
• Nominal output voltage						
Standard	28.5	28.5	28.5	28.5	28.5	28.5
Optional	14.25	14.25	14.25	N/A	N/A	N/A
• Output voltage regulation (at 100% continuous load and $\pm 10\%$ input line voltage variations)	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$
• Amperes continuous	400	400	400	600	600	600
• Amperes starting with current limiting control	150 to 1600	150 to 1600	150 to 1600	300 to 2000	300 to 2000	300 to 2000
• Ripple below the limits of Mil-Std 704D	Yes	Yes	Yes	Yes	Yes	Yes
• Convenience receptacle	10A, 220V, 50 Hz	10A, 115V, 60 hz	10A, 115V, 60 Hz	10A, 220V, 50 Hz	10A, 115V, 60 Hz	10A, 115V, 60 Hz

Specifications subject to change without notice

Dimensions

Model	Length (Overall)	Width (Case)	Width (Overall)	Height (w/o cable tray)	Weight (dry)
Portable models	46.5" (118.1 cm)	24" (60.9 cm)	33" (83.8 cm)	33" (83.8 cm)	750 lbs. (340 kg)
Stationary models	34" (86.4 cm)	24" (60.9 cm)	24" (60.9 cm)	29" (73.7 cm)	700 lbs. (318 kg)

Range of Adjustment



Shipping Crate Dimensions

All Models	
Length	52" (132.1 cm)
Width	39" (99.1 cm)
Height	46" (116.8 cm)

